

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	312	362/241,517,545.ccls.	US-PGPUB	OR	ON	2006/05/15 16:03
S2	11	"electroluminescent diode"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/15 16:18
S3	102	"electroluminescent" and (car or auto\$6 or vehicle\$ or truck or van)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/15 16:19
S4	3	S3 and headlight	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/15 16:19
S5	2	S3 and head\$light	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/15 16:22
S6	169	head\$light and xenon and halogen	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/15 16:22
S7	31	head\$light WITH xenon WITH halogen	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/15 16:26
S8	66	S6 and "362"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/15 16:23
S9	19	S7 and "362"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/15 16:24
S10	4	(("5704709") or ("20010019486") or ("6493096") or ("6504477")).PN.	US-PGPUB; USPAT	OR	OFF	2005/08/15 16:25
S11	339	head\$light WITH (xenon or halogen)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/15 16:27
S12	115	S11 and "362"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/15 16:27

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S13	100	S12 and reflector	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/15 16:27
S14	39	S13 and ((hi or high) with (low))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/15 16:34
S15	11	S14 and mirror\$	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/15 16:34
S16	1	S15 and xenon	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/15 16:36
S17	30	S13 and xenon	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/15 16:38
S18	29	S13 and diode	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/15 16:38
S19	21	S18 and xenon	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/15 16:48
S20	80	362/227.ccls. and (Diode or "LED\$") and lamp	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/15 17:54
S21	0	S20 and head&light	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/15 16:50
S22	2	S20 and headlight	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/15 16:50
S23	6	("20020084890" "5347261" "5903103" "6012824" "6305818" "6394622").PN. OR ("6890086").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/15 16:51
S24	12	362/240.ccls. and ((Diode or "LED\$") and lamp) and (head\$light or headlight)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/15 16:03

EAST Search History

S25	27	("1013947" "2139587" "2190035" "2584292" "2605384" "3816739" "4677533" "4912334" "4947291" "4963798").PN. OR ("5984494").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/15 17:03
S26	1	("5984494").PN.	USPAT; USOCR	OR	OFF	2005/08/15 17:03
S27	27	("1013947" "2139587" "2190035" "2584292" "2605384" "3816739" "4677533" "4912334" "4947291" "4963798").PN. OR ("5984494").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/15 17:15
S28	38	("0322496" "2299008" "3283136" "3379869" "3539801" "3805049" "4142801" "4254453" "4271408" "4314318").PN. OR ("4677533").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/15 17:18
S29	416	"362"/\$.ccls. and (Diode or "LED\$") and lamp and (headlight or head\$light)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/16 14:26
S30	52	S29 and xenon	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/15 17:57
S31	141	S29 and halogen	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/15 18:03
S32	24821	koike.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/15 18:03
S33	14	koike.in. and "led array"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/15 18:04
S34	4	huang.in. and "replaceable led lamp capsule"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/16 14:32
S35	2	("0166853").PN.	USPAT; USOCR	OR	OFF	2005/08/16 14:32
S36	0	"axially mounted led"	USPAT	OR	ON	2005/08/16 14:33
S37	2	"axially mounted led"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/16 14:33

EAST Search History

S38	1044	(axially with led)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/16 14:33
S39	137	(axially with mount\$6 with led)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/16 14:34
S40	516	(axially with mount\$6 with ("led" or diode or LED\$))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/16 14:34
S41	14	S40 and martin	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/16 14:40
S42	0	("20030227774").PN.	USPAT; USOCR	OR	OFF	2005/08/16 14:40
S43	1	("20030227774").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/16 14:40
S44	339	head\$light WITH (xenon or halogen)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/16 15:27
S45	115	S44 and "362"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/16 15:27
S46	100	S45 and reflector	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/16 15:29
S47	39	S46 and (diode or "LED" or "LEDs")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/16 15:38
S48	175	(diode or "LED" or "LEDs") with (halogen or xenon) and (headlight or head\$light)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/16 15:40
S49	84	S48 and "362"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/16 15:47
S50	5	(diode or "LED" or "LEDs") with (halogen or xenon) with dual and (headlight or head\$light)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/16 15:40

EAST Search History

S51	24	("2190035" "3816739" "4677533" "4912334" "4947291" "4963798").PN. OR ("5685637").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/16 15:41
S52	27	("1013947" "2139587" "2190035" "2584292" "2605384" "3816739" "4677533" "4912334" "4947291" "4963798").PN. OR ("5984494").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/16 15:41
S53	69	("1214583" "1226325" "1287611" "1361557" "1423911" "1448352" "1559930" "1889936" "2097222" "2190035" "2408643" "3596078" "3999193" "4135230" "4211955" "4249234" "4290095" "4332445" "4346329" "4386391" "4388673" "4499525" "4527223" "4530034" "4581686" "4605993" "4677533" "4760504" "4783725" "4788633" "4803605" "4841417" "4876416" "4914555" "4947291" "4963798" "4985813" "5003440" "5077644" "5081568" "5161879" "5174648" "5345370" "5359779" "5590951" "5629105" "5642932" "5685637" "5722755" "5821697" "5871272" "5984494" "6019482" "6046572" "6095661" "6183105" "6296367" "6386730").PN. OR ("6841941").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/16 15:41
S54	1	("5,685,637").PN.	USPAT; USOCR	OR	OFF	2005/08/16 15:47
S55	15	("5136483" "5570951" "5685637" "5798911" "5876113" "5931572" "6220722" "6234648").PN. OR ("6406172").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/16 15:53
S56	93	"dual spectrum"	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/16 15:53
S58	12286	S56 and headlight or head\$light	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/16 15:53
S59	3	S56 and (headlight or head\$light)	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/16 16:31

EAST Search History

S60	428	362/241.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/31 11:12
S61	567	362/517.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/31 11:13
S62	499	362/545.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/31 11:13
S63	2	("20030227774").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/01/30 19:20
S64	412	"362"/\$.ccls. and (auto\$7 or car or bus or truck or vehicle) and ((xenon or discharge) adj2 (lamp or bulb)) and ("LED" or diode)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/01/30 19:22
S65	156	"362"/\$.ccls. and (auto\$7 or car or bus or truck or vehicle) and ((xenon) adj2 (lamp or bulb)) and ("LED" or diode)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/01/30 19:39
S66	2	("6523976").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/01/30 19:25
S67	71	"362"/\$.ccls. and (airplane or jet or aircraft) and ((xenon) adj2 (lamp or bulb)) and ("LED" or diode)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/01/30 19:39
S68	65	362/241.ccls.	US-PGPUB	OR	ON	2006/01/31 11:13
S69	55	362/517.ccls.	US-PGPUB	OR	ON	2006/01/31 11:13
S70	182	362/545.ccls.	US-PGPUB	OR	ON	2006/01/31 11:13

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	312	362/241,517,545.ccls.	US-PGPUB	OR	ON	2006/05/15 16:04
L2	312	362/241,517,545.ccls. (dual near (halogen or discharge) near (diode or "LED"))	US-PGPUB	OR	ON	2006/05/15 16:05
L3	0	"362"/\$.ccls. and (dual near (halogen or discharge) near (diode or "LED"))	US-PGPUB	OR	ON	2006/05/15 16:05
L4	5	"362"/\$.ccls. and (dual WITH (halogen or discharge) WITH (diode or "LED"))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/15 16:07
L5	11	"362"/\$.ccls. and (dual SAME (halogen or discharge) WITH (diode or "LED"))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/15 16:07
L6	22	"362"/\$.ccls. and (dual SAME (halogen or discharge) SAME (diode or "LED"))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/15 16:07
S2	11	"electroluminescent diode"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/15 16:18
S3	102	"electroluminescent" and (car or auto\$6 or vehicle\$ or truck or van)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/15 16:19
S4	3	S3 and headlight	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/15 16:19
S5	2	S3 and head\$light	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/15 16:22
S6	169	head\$light and xenon and halogen	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/15 16:22
S7	31	head\$light WITH xenon WITH halogen	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/15 16:26

EAST Search History

S8	66	S6 and "362"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/15 16:23
S9	19	S7 and "362"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/15 16:24
S10	4	(("5704709") or ("20010019486") or ("6493096") or ("6504477")).PN.	US-PGPUB; USPAT	OR	OFF	2005/08/15 16:25
S11	339	head\$light WITH (xenon or halogen)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/15 16:27
S12	115	S11 and "362"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/15 16:27
S13	100	S12 and reflector	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/15 16:27
S14	39	S13 and ((hi or high) with (low))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/15 16:34
S15	11	S14 and mirror\$	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/15 16:34
S16	1	S15 and xenon	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/15 16:36
S17	30	S13 and xenon	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/15 16:38
S18	29	S13 and diode	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/15 16:38
S19	21	S18 and xenon	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/15 16:48

EAST Search History

S20	80	362/227.ccls. and (Diode or "LED\$") and lamp	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/15 17:54
S21	0	S20 and head&light	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/15 16:50
S22	2	S20 and headlight	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/15 16:50
S23	6	("20020084890" "5347261" "5903103" "6012824" "6305818" "6394622").PN. OR ("6890086").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/15 16:51
S24	12	362/240.ccls. and ((Diode or "LED\$") and lamp) and (head\$light or headlight)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/15 16:03
S25	27	("1013947" "2139587" "2190035" "2584292" "2605384" "3816739" "4677533" "4912334" "4947291" "4963798").PN. OR ("5984494").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/15 17:03
S26	1	("5984494").PN.	USPAT; USOCR	OR	OFF	2005/08/15 17:03
S27	27	("1013947" "2139587" "2190035" "2584292" "2605384" "3816739" "4677533" "4912334" "4947291" "4963798").PN. OR ("5984494").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/15 17:15
S28	38	("0322496" "2299008" "3283136" "3379869" "3539801" "3805049" "4142801" "4254453" "4271408" "4314318").PN. OR ("4677533").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/15 17:18
S29	416	"362"/\$.ccls. and (Diode or "LED\$") and lamp and (headlight or head\$light)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/16 14:26
S30	52	S29 and xenon	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/15 17:57
S31	141	S29 and halogen	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/15 18:03

EAST Search History

S32	24821	koike.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/15 18:03
S33	14	koike.in. and "led array"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/15 18:04
S34	4	huang.in. and "replaceable led lamp capsule"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/16 14:32
S35	2	("0166853").PN.	USPAT; USOCR	OR	OFF	2005/08/16 14:32
S36	0	"axially mounted led"	USPAT	OR	ON	2005/08/16 14:33
S37	2	"axially mounted led"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/16 14:33
S38	1044	(axially with led)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/16 14:33
S39	137	(axially with mount\$6 with led)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/16 14:34
S40	516	(axially with mount\$6 with ("led" or diode or LED\$))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/16 14:34
S41	14	S40 and martin	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/16 14:40
S42	0	("20030227774").PN.	USPAT; USOCR	OR	OFF	2005/08/16 14:40
S43	1	("20030227774").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/16 14:40
S44	339	head\$light WITH (xenon or halogen)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/16 15:27
S45	115	S44 and "362"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/16 15:27

EAST Search History

S46	100	S45 and reflector	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/16 15:29
S47	39	S46 and (diode or "LED" or "LEDs")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/16 15:38
S48	175	(diode or "LED" or "LEDs") with (halogen or xenon) and (headlight or head\$light)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/16 15:40
S49	84	S48 and "362"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/16 15:47
S50	5	(diode or "LED" or "LEDs") with (halogen or xenon) with dual and (headlight or head\$light)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/16 15:40
S51	24	("2190035" "3816739" "4677533" "4912334" "4947291" "4963798").PN. OR ("5685637"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/16 15:41
S52	27	("1013947" "2139587" "2190035" "2584292" "2605384" "3816739" "4677533" "4912334" "4947291" "4963798").PN. OR ("5984494").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/16 15:41

EAST Search History

S53	69	("1214583" "1226325" "1287611" "1361557" "1423911" "1448352" "1559930" "1889936" "2097222" "2190035" "2408643" "3596078" "3999193" "4135230" "4211955" "4249234" "4290095" "4332445" "4346329" "4386391" "4388673" "4499525" "4527223" "4530034" "4581686" "4605993" "4677533" "4760504" "4783725" "4788633" "4803605" "4841417" "4876416" "4914555" "4947291" "4963798" "4985813" "5003440" "5077644" "5081568" "5161879" "5174648" "5345370" "5359779" "5590951" "5629105" "5642932" "5685637" "5722755" "5821697" "5871272" "5984494" "6019482" "6046572" "6095661" "6183105" "6296367" "6386730").PN. OR ("6841941"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/16 15:41
S54	1	("5,685,637").PN.	USPAT; USOCR	OR	OFF	2005/08/16 15:47
S55	15	("5136483" "5570951" "5685637" "5798911" "5876113" "5931572" "6220722" "6234648").PN. OR ("6406172"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/16 15:53
S56	93	"dual spectrum"	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/16 15:53
S58	12286	S56 and headlight or head\$light	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/16 15:53
S59	3	S56 and (headlight or head\$light)	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/16 16:31
S60	428	362/241.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/31 11:12
S61	567	362/517.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/31 11:13
S62	499	362/545.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/31 11:13

EAST Search History

S63	2	("20030227774").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/01/30 19:20
S64	412	"362"/\$.ccls. and (auto\$7 or car or bus or truck or vehicle) and ((xenon or discharge) adj2 (lamp or bulb)) and ("LED" or diode)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/01/30 19:22
S65	156	"362"/\$.ccls. and (auto\$7 or car or bus or truck or vehicle) and ((xenon) adj2 (lamp or bulb)) and ("LED" or diode)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/01/30 19:39
S66	2	("6523976").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/01/30 19:25
S67	71	"362"/\$.ccls. and (airplane or jet or aircraft) and ((xenon) adj2 (lamp or bulb)) and ("LED" or diode)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/01/30 19:39
S68	65	362/241.ccls.	US-PGPUB	OR	ON	2006/01/31 11:13
S69	55	362/517.ccls.	US-PGPUB	OR	ON	2006/01/31 11:13
S70	182	362/545.ccls.	US-PGPUB	OR	ON	2006/01/31 11:13